

ABSTRACT

A method and structure is disclosed for oriented strand boards that utilize a 3-layer, sandwich-type structural panel. The two outer faces are preferably made
5 of wood flakes and the inner core preferably is made out of compression resistant products such as wood chips, paper mill sludge or recycled paper. The core is either a continuous perforated mat or a plurality of individual chunks of compression resistant materials, and preferably contains voids to provide for a reduction in weight of the board.